

Utah Proper Use Factor List

Following is the official interagency range plant proper-use factor (palatability) list for Utah as of March, 1939. These may be interpreted as the percent of allowable use on ranges under proper management.

Utah was divided into three sub-areas; i. e., Western Utah (west of the central mountain chains, except south of Pine Valley Mountains), 2. Southern and Southeastern Utah (south of Pine Valley, Boulder and Henry Mts., and Moab), and 3. East-central and Eastern Utah (east of central mountain chains, north of Henry Mts., and Moab). Some plants were assigned separate figures for each sub-region, in which case, three figures occur for each plant, (W.) being western Utah as described above, (S.) being southern and southeastern Utah, and (E.) being eastern Utah.

Poisonous and annual plants are assigned regular palatability figures and, where protection of the stock or the range demands, a regulation of the forage-acre allowance should be made to care for over abundance of poisonous or annual plants.

Grasses

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Agropyron spp.	Ags	wheatgrass	70	75	60	70	50	60	40	50
Agropyron subsecundum	Asp	bearded wheatgrass	50	60	40	40	30	40	40	30
Agropyron riparium	Ari	streambank wheatgrass	20	60	20	30	10	60	20	20
Agrostis spp.	Agr	redtop	70	75	70	70	40	40	40	40
Aristida spp.	Aris	three-awned	10	20	10	10	10	20	10	10
Bouteloua spp. (W.)	Bgr	grama	80	80	80	40	60	60	20	20
Bouteloua spp. (E.)	Bgr	grama	80	80	80	80	70	70	70	70
Bouteloua spp. (S.)	Bgr	grama	80	80	80	80	70	70	70	70
Bromus spp.		brome	60	70	50	40	40	50	20	20
Bromus inermis	Bin	smooth brome	80	80	60	60	50	60	30	30
Bromus tectorum (W.)	Bte	downy brome	20	60	20	20	10	60	10	20
Bromus tectorum (E.)	Bte	downy brome	10	60	10	20	10	60	10	20
Bromus tectorum (S.)	Bte	downy brome	10	60	10	20	10	60	10	20
Calamagrostis spp.		reedgrass	40	50	30	-	10	20	10	-
Calamagrostis rubescens	Car	pinegrass	10	10	10	-	-	10	-	-
Catabrosa spp.	Cag	brookgrass	50	50	50	50	40	40	40	40
Dactylis glomerata	Dgl	orchard grass	70	80	50	-	40	60	30	-
Distichlis spp. (W.)	Dst	salt grass	40	50	50	20	10	20	10	10
Distichlis spp. (E.)	Dst	salt grass	40	50	50	20	10	20	10	10
Distichlis spp. (S.)	Dst	salt grass	40	50	50	40	10	20	10	10
Elymus spp.	Eco	wild-rye	30	50	30	40	20	30	10	10
Festuca spp.	Fes	fescue	75	80	60	60	60	70	40	40
Festuca Kingii	Fki	spike fescue	30	40	30	-	10	20	10	-
Festuca (annuals)	Foc	annual fescue	20	40	20	20	30	50	20	20
Glyceria spp.	Gls	managrass	60	60	60	60	30	30	30	30

Grasses cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	H.	Su.	Sp.	F.	H.
Hilaria jamesii (W.)	Hja	curly grass	40	60	30	50	20	30	20	40
Hilaria jamesii (E.)	Hja	curly grass	70	70	70	70	30	40	20	20
Hilaria jamesii (S.)	Hja	curly grass	60	70	60	60	30	40	20	20
Hilaria rigida	Hri	big galleta	30	40	20	20	10	20	10	10
Hordeum jubatum	Hju	foxtail barley	20	40	20	30	10	20	10	10
Hordeum nodosum	Hno	meadow barley	40	60	30	30	20	40	20	20
Koeleria spp.	Kcr.	june grass	50	70	30	30	20	40	20	20
Melica spp.		onion grass	50	60	50	-	30	40	20	-
Muhlenbergia squarrosa	Msq	mat muhly	20	50	30	30	20	30	10	10
Muhlenbergia montana	Mmo	mountain muhly	20	30	10	-	5	20	5	-
Muhlenbergia porteri		brush muhly	60	75	70	70	50	60	40	50
Oryzopsis spp.	Ory	rice grass	60	80	60	75	60	80	60	75
Phleum spp.		timothy	70	70	70	70	50	50	50	50
Poa spp.	Poa	blue grass	50	70	50	50	30	50	30	30
Poa pratense	Ppr	kentucky blue grass	80	80	80	80	70	70	70	70
Poa secunda	Pse	sandberg blue grass	30	70	30	30	20	60	20	20
Sitanion spp.	Shy	Squirrel tail	30	70	50	70	20	60	10	50
Sporobolus spp. (W.)	Spo	drop-seed	10	30	10	10	10	20	10	10
Sporobolus spp. (E.)	Spo	drop-seed	40	50	40	40	30	40	20	20
Sporobolus spp. (S.)	Spo	drop-seed	40	50	40	40	30	40	20	20
Sporobolus aeriodes	Sai	drop-seed	20	40	20	40	10	20	10	10
Stipa spp.	Sts	needle grass	50	70	50	50	30	50	20	20
Stipa arida	Sar	needle grass	20	50	30	40	20	30	20	20
Trisetum spp.	Trs	trisetum	50	60	40	-	40	50	30	-
Carex (Hillside)		sedge	50	60	40	40	40	50	30	20
Carex (Meadow)		sedge	70	70	60	40	50	60	40	30
Juncus and Juncoides		rush	30	50	30	30	10	20	10	10

Forbs (weeds)

Achillea spp.	Ala	yarrow	20	20	20	20	40	40	40	40
Actaea spp.	Aag	baneberry	0	0	0	0	10	10	10	10
Actinea spp.	Act	rubberweed	0	0	0	0	0	0	0	0
Adenostegia spp.	Ara	plumweed	0	0	0	0	0	0	0	0
Agastache	Avr	nettle leaf	40	20	40	-	50	50	50	-
Agoseris	Ago	mountain-dandelion	40	40	40	-	70	70	70	-
Allium	All	wild onion	10	10	-	-	20	50	-	-
Allenrolfia spp.	Aoc	pickleweed	0	0	0	0	0	0	0	0
Alsine	Als	chickweed	5	10	-	-	30	40	-	-
Amaranthus	Ama	pigweed	-	10	-	-	-	40	-	-
Amsinckia	Ams	fiddleneck	0	0	0	0	0	0	0	0
Antennaria	Ant	pussytoes	0	0	0	0	0	20	0	0
Anaphalis	Aph	pearl everlasting	0	0	0	0	0	0	0	0
Androsace	Anf	androsace	0	10	-	-	-	20	-	-
Angelica			70	70	-	-	80	80	-	-
Anogra	Anp	evening primrose	0	0	0	0	0	5	0	0

Forbs (weeds) Cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Applopappus	Apl	goldenweed	-	10	10	10	-	80	40	40
Apocynum	Apc	dogbane	0	0	0	0	0	0	0	0
Aquilegia	Aqu	columbine	10	10	-	-	40	40	-	-
Arenaria	Are	sandwort	0	0	0	0	0	0	0	0
Argemone	Arh	pricklepoppy	0	0	0	0	0	0	0	0
Arnica	Arn	arnica	10	10	-	-	20	20	-	-
Artemisia (see shrub list)										
Asclepias		milkweed	0	0	0	0	0	0	0	0
Aster	Ass	aster	30	30	30	-	50	50	50	-
Astragalus	Ast	joco	10	20	-	-	20	40	-	-
Aulospermum	Alo	fluted seed	0	0	0	0	0	20	-	-
Baileya (W.)	Epe	baileya	0	0	0	0	0	20	0	0
Baileya (E.)	Epe	baileya	0	0	0	0	0	20	0	0
Baileya (S.)	Epe	baileya	0	20	0	0	0	20	0	0
Balsamorhiza sagittata	Bsa	arrowleaf balsamroot	20	20	10	-	40	50	30	-
Balsamorhiza macrophylla	Bma	cutleaf balsamroot	-	10	5	-	-	20	10	-
Bistorta	Bis	bistort	0	0	0	0	0	0	0	0
Blitum	Blc	pigwood	0	0	0	0	0	0	0	0
Bassea		bassea	0	20	20	10	0	30	30	10
Brassica	Bra	mustard	5	5	5	-	10	10	10	-
Capsella bursa-pastoris	Cbp	shepherds-purse	0	0	0	0	10	20	10	-
Calochortus	Clo	sego-lily	-	10	-	-	-	20	-	-
Castilleja	Cas	indian paintbrush	10	10	-	-	30	30	-	-
Chaenactis	Cho	false yarrow	0	0	0	0	0	0	0	0
Chamaenerion	Chci	fireweed	30	30	30	-	50	50	50	-
Chenopodium	Che	goosefoot	5	10	5	-	20	30	20	-
Cheirinia	Chn	wallflower	10	10	-	-	40	40	-	-
Chrysopsis	Cho	golden aster	10	10	-	-	10	20	10	-
Cirsium	Cir	thistle	10	10	10	-	40	40	40	-
Claytonia	Cia	springbeauty	0	0	0	0	0	10	0	0
Clematis		clematis (virgins-bower)	0	0	0	0	0	0	0	0
Cleome	Clu	beeflower	0	0	0	0	0	0	0	0
Cogswellia	Cog	cogswellia (biscuit roots)	0	10	0	0	0	30	0	0
Collinsia	Cte	blue-eyed-mary	0	0	0	0	0	20	0	0
Collomia	Col	collomia	0	0	0	0	0	20	0	0
Commandra	Cpa	toadflax	0	0	0	0	0	10	0	0
Crepis	Cac	hawksbeard	40	40	-	-	70	70	-	-
Cryptantha	Cry	cryptantha	0	0	0	0	0	10	0	0
Cynoglossum	Cef	houndstongue	0	0	0	0	0	0	0	0
Delphinium	Dep	larkspur	40	40	20	-	50	50	50	-
Dondia	Don	Seepweed	0	0	20	20	0	10	20	40
Drymocallis	Dry	drymocallis	10	10	10	-	20	20	20	-
Enceliopsis	Enu	enceliopsis	-	40	-	-	-	90	-	-
Epilobium	Epi	willow-weed	20	20	-	-	30	30	-	-
Erigeron	Eri	daisy	0	0	0	0	10	10	0	0
Eriogonum (herbs) (W.)	Ero	wild buckwheat	0	0	0	0	10	10	10	10
Eriogonum (herbs) (E.)	Ero	wild buckwheat	10	10	10	10	10	10	10	10
Eriogonum (herbs) (S.)	Ero	wild buckwheat	10	10	10	10	10	10	10	10
Erithronium	Erp	dogtooth violet	0	0	0	0	0	0	0	0
Erodium (W.)	Eci	alfilaria	-	50	50	-	-	80	80	-

Forbs (weeds) cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Erodium (E.)	Eci	alfilaria	-	80	80	-	-	80	80	-
Erodium (S.)	Eci	alfilaria	-	80	80	-	-	80	80	-
Galium	Gbo	bedstraw	0	0	0	0	0	0	0	0
Gayophytum	Gay	kitchenwood	0	0	0	0	0	0	0	0
Geranium	Gfr	geranium	30	20	20	-	40	40	30	-
Gilia	Gil	gilia	0	0	0	0	10	10	0	0
Glycyrrhiza	Gle	licorice	0	0	0	0	0	0	0	0
Grindelia	Gri	gumwood	0	0	0	0	0	0	0	0
Hedysarum	Hci	sweetvetch	10	10	10	-	20	20	20	-
Helenium	Hho	sneezeweed	0	0	0	0	20	20	20	-
Helianthus	Hel	sunflower	0	0	10	0	0	10	20	0
Helianthella	Hun	little-sunflower	40	40	40	-	50	50	50	-
Heracleum	Hla	cow-parsnip	80	80	-	-	80	80	-	-
Hieracium	Hsc	hawkweed	40	40	-	-	40	40	-	-
Hookera	Hdo	wild hyacinth	0	0	0	0	0	0	0	0
Hymenopappus	Hym	hymenopappus	0	0	0	0	0	0	0	0
Iris	Ini	flag	0	0	0	0	0	0	0	0
Iva axillaris	Iax	poverty weed	0	0	0	0	0	20	0	0
Lappula	Lfl	stickseed	0	0	0	0	0	0	0	0
Lactuca	Lsp	wildlettuce	10	20	10	-	30	50	20	-
Lathyrus (climbing)	Lat	peavine	70	50	50	-	70	60	60	-
Lathyrus (low, erect)	Lev	peavine	10	10	10	-	10	10	10	-
Leontodon	Lta	dandelion	70	70	70	-	80	80	80	-
Lepidium	Lem	peppergrass	0	0	0	0	0	0	0	0
Leptodactylon	Lem	leptodactylon	0	0	0	0	0	0	0	0
Leptoetaenia	Lmu	carrot leaf	-	40	-	-	-	70	-	-
Ligusticum	Lig	loveroot	-	40	-	-	-	70	-	-
Linum	Lor	flax	0	0	0	0	0	0	0	0
Lithophragma	Lte	starflower	0	0	0	0	0	10	0	0
Lithospermum	Lit	stoneseed	20	30	-	-	20	30	-	-
Lotus	Lot	lotus	0	10	10	-	-	50	50	-
Lupinus	Lup	lupine	20	20	30	-	40	40	40	-
Madia	Mgl	tarweed	0	0	0	0	0	0	0	0
Marrubrium (W.)	Mvu	hoarhound	0	0	20	-	-	40	40	-
Marrubrium (E.)	Mvu	hoarhound	0	0	20	-	-	40	40	-
Marrubrium (S.)	Mvu	hoarhound	10	10	30	-	30	40	20	-
Melilotus (W.)	Mel	sweetclover	50	60	30	-	50	60	30	-
Melilotus (E.)	Mel	sweetclover	50	60	30	-	50	60	30	-
Melilotus (S.)	Mel	sweetclover	50	60	30	-	50	60	30	-
Mentha	Men	mint	0	0	0	0	10	10	-	-
Mertensia (low)	Mbr	bluebell	0	0	0	0	30	30	-	-
Mertensia sampsonii	Msa	bluebell	20	20	-	-	70	70	-	-
Monolepis	Mon	poverty weed	0	0	0	0	0	0	0	0
Nicotiana	Nat	wild tobacco	0	0	0	0	0	0	0	0
Norta altissima	Nal	tumble mustard	0	0	0	0	0	5	0	0
Oreocarya	Ora	hairy leaf	0	0	0	0	0	40	0	0
Orthocarpus	Ort	owlclover	0	0	0	0	0	10	0	0
Osmorrhiza	Oob	anise	60	60	-	-	80	80	-	-
Pachylophus	Pas	fragrant evening								
		primrose	0	0	0	0	0	0	0	0
Pedicularis	Pcl	elephant head	0	0	0	0	0	0	0	0

Forbs (weeds) cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Penstemon (W)	Pon	penstemon	0	0	0	0	0	10	0	0
Penstemon (E.)	Pon	penstemon	0	0	0	0	0	20	0	0
Penstemon (S.)	Pon	penstemon	0	0	0	0	0	20	0	0
Phacelia	Phs	phacelia	0	0	0	0	0	50	0	0
Phlox	Phl	phlox	0	0	0	0	0	20	0	0
Physaria	Pdi	double-bladderpad-	0	0	0	0	0	0	0	0
Plantago	Pla	plantain	0	0	0	0	0	10	0	0
Polemonium (white)	Pal	white polemonium	0	0	-	-	70	70	-	-
Polemonium (blue)	Pfo	blue polemonium	0	0	-	-	20	20	-	-
Polygonum	Ply	knowweed	10	10	-	-	20	20	-	-
Potentilla	Pot	cinquefoil	20	20	10	-	40	40	20	-
Pseudocymopterus	Psm	false carrot	10	10	-	-	-	40	-	-
Psoralea	Pss	scurfpea	0	0	0	0	0	0	0	0
Pteridium	Pag	bracken	0	0	0	0	0	0	0	0
Ranunculus	Rsp	buttercup	30	20	20	-	40	30	30	-
Rudbeckia	Roc	niggerhead	10	0	30	-	10	0	40	-
Rumex	Rum	dock	0	10	10	-	20	50	50	-
Salicornia	Ssp	glasswort	-	-	-	10	-	-	-	10
Salsola (Dense stands)	Spe	russian thistle	10	10	10	10	20	20	20	20
Salsola (Scattered in composite)	Spe	russian thistle	10	40	10	30	20	50	20	40
Senecio spp.	Sec.	groundsel (butterweed)	0	0	0	0	10	10	-	-
Senecio serra	Sse	tall groundsel	60	60	-	-	70	70	-	-
Senecio triangularis		groundsel	60	60	-	-	70	70	-	-
Sedum	Sed	stonecrop	0	0	0	0	0	0	0	0
Sierversia	Sie	apache-plume	0	0	0	0	20	20	0	0
Sidalcea	Sin	prairiemallow	20	20	20	0	30	30	30	0
Silene	Sil	catchfly	0	0	0	0	10	10	0	0
Solidago	Sol	goldenrod	10	10	10	0	20	20	20	0
Sophia	Sof	tansymustard	0	0	0	0	20	20	-	-
Sphaeralcea	Sps	globemallow	20	40	20	20	30	70	30	30
Stanleya	Sta	princes purse	0	0	0	0	0	0	0	0
Taraxia		taraxia	10	10	-	-	20	20	-	-
Thalictrum	Tha	meadowrue	0	0	0	0	10	10	-	-
Thelypodium	Tsa	thelypodium	0	0	0	0	0	10	-	-
Thermopsis	The	golden pea	0	0	0	0	0	0	0	0
Thlaspi	Tgi	penny cress	0	0	0	0	0	0	0	0
Tithymalus	Tit	spurge	0	0	0	0	0	0	0	0
Trifolium	Tri	clover	80	80	60	-	80	80	60	-
Typha		cat tail	0	0	0	0	0	0	0	0
Urtica	Uur	nettle	10	10	10	-	20	20	20	-
Vagnera	Vag	false solomonseal	0	0	0	0	10	10	-	-
Valeriana	Vla	valerian	10	10	10	-	20	20	20	-
Verbascum	Vth	mullein	0	0	0	0	0	0	0	0
Veratrum	Vca	false hellebore	0	10	10	0	0	10	10	0
Vicia (Climbing)	Vic	vetch	70	50	50	0	70	60	60	0

Forbs (weeds) cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Viola	Vio	violet	0	0	0	0	10	10	0	0
Viguiera	Vmu	many flowered sunflower	10	10	10	-	20	20	30	-
Wyethia	Wam	mule ear dock	10	10	-	-	10	20	10	-
Xanthium (W.)	Xan	cocklebur	0	0	0	0	0	10	0	0
Xanthium (E.)	Xan	cocklebur	0	0	0	0	0	10	0	0
Xanthium (S.)	Xan	cocklebur	10	10	10	20	0	0	0	0
Zygadenus	Zyg	death camas	0	10	0	0	0	20	0	0

Browse (Shrubs)

Acer spp.	Ace	maple	0	0	0	0	10	10	0	0
Alnus tenuifolia	Alt	mountain alder	0	0	0	0	0	0	0	0
Amelanchier spp.	Aal	service berry	40	60	30	30	40	60	30	30
Arctostaphylos spp.		bear berry	0	0	0	0	0	0	0	0
Artemisia cana	Acn	water sagebrush	5	5	5	5	10	10	10	10
Artemisia (herbaceous)		wormwood	0	10	0	10	10	30	0	10
Artemisia frigida (W.)	Afr	fringed wormwood	0	10	0	10	20	20	40	50
Artemisia frigida (E.)	Afr	fringed wormwood	0	10	0	10	20	20	40	50
Artemisia frigida (S.)	Afr	fringed wormwood	0	10	0	10	20	20	70	70
Artemisia filifolia (S.)	Afi	sand sagebrush	0	0	10	10	0	10	30	40
Artemisia nova	Ano	black sagebrush	10	10	10	20	20	40	60	75
Artemisia spinescens	Ars	bud sagebrush	0	10	20	20	20	75	30	30
Artemisia tridentata	Atr	sagebrush	5	5	5	5	5	10	10	20
Atriplex annual	Atx	salt weed	0	0	10	10	5	5	20	20
Atriplex canescens	Acs	fourwing saltbrush	30	40	50	60	40	60	60	60
Atriplex confertifolia	Aco	shadscale	5	5	20	20	10	10	40	40
Atriplex corrugata	Atc	mat saltbush	5	5	20	30	10	10	50	60
Atriplex nuttallii (W.)	Atn	Nuttall saltbush	15	15	30	40	20	20	60	70
Atriplex nuttallii (E.)	Atn	Nuttall saltbush	20	20	60	60	20	20	60	60
Atriplex nuttallii (S.)	Atn	Nuttall saltbush	20	20	60	60	20	20	60	60
Baccharis glutinosa		seepwillow	0	0	0	0	0	0	0	0
Ceanothus spp. (W.)		thornbush	10	20	20	20	20	30	20	20
Ceanothus spp. (E.)		thornbush	10	20	20	20	20	30	20	20
Ceanothus spp. (S.)		thornbush	10	20	20	20	20	40	20	20
Ceanothus velutinus	Cve	snowbrush	0	0	0	0	10	0	0	0
Cercocarpus montanus	Cmo	mountain mahogany	70	70	70	70	70	70	70	70
Cercocarpus ledifolius	Cle	curlleaf mahogany	0	0	0	0	0	0	10	10
Cercocarpus intricatus	Cei	mahogany	0	0	0	0	0	0	70	70
Chrysothamnus spp.	Chr	rabbitbrush	5	5	10	10	10	10	20	20
Chrysothamnus steno- phyllus (W.)	Chs	rabbitbrush	5	5	10	10	10	10	20	20
Chrysothamnus steno- phyllus (E.)	Chs	rabbitbrush	5	5	10	10	10	10	20	30

145
70

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51250

Browse (Shrubs) cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Chrysothamnus steno- phyllus (S.)	Chs	rabbitbrush	5	5	10	10	10	10	20	30
Chrysothamnus viscidiflorus	Cvp	yellowbrush	5	5	10	10	10	20	30	30
Chrysothamnus nauseosus (W.)	Cna	rabbitbrush	0	0	5	5	0	0	10	10
Chrysothamnus nauseosus (E.)	Cna	rabbitbrush	0	0	10	10	0	0	10	10
Chrysothamnus nauseosus (S.)	Cna	rabbitbrush	0	0	10	10	0	0	10	10
Chrysothamnus lanceolatus	Chl	lanceleaf yellowbrush	20	30	40	40	20	30	40	40
Coleogyne spp. (W.)	Cra	blackbrush	0	10	10	15	10	50	30	50
Coleogyne spp. (E.)	Cra	blackbrush	0	20	10	40	10	50	30	50
Coleogyne spp. (S.)	Cra	blackbrush	0	20	10	40	10	50	30	50
Covillea spp.		creosote bush	0	0	0	0	0	0	0	0
Cowania spp. (W.)	Cst	cliffrose	40	40	50	30	50	50	70	70
Cowania spp. (E.)	Cst	cliffrose	30	40	50	60	50	50	70	70
Cowania spp. (S.)	Cst	cliffrose	30	40	50	60	50	50	70	70
Crataegus spp.	Cri	hawthorn	10	10	-	-	10	10	-	-
Dasiphora fruticosa	Dfr	shrubby cinquefoil	40	-	-	-	50	-	-	-
Emplectocladus	Efa	desert peach	0	0	0	0	0	0	0	0
Ephedra spp. (W.)	Eno	mormon tea	10	10	10	10	20	20	30	30
Ephedra spp. (E.)	Ene	mormon tea	20	20	50	50	20	20	50	50
Ephedra spp. (S.)	Ene	mormon tea	20	20	50	50	20	20	50	50
Ephedra viridis (W.)	Evi	mormon tea	0	0	0	0	0	0	0	0
Ephedra viridis (E.)	Evi	mormon tea	0	0	10	10	0	0	10	10
Ephedra viridis (S.)	Evi	mormon tea	0	0	10	10	0	0	10	10
Eriogonum (shrubby)	Ero	buckwheat brush	10	10	10	10	10	10	30	30
Eurotia lanata	Ela	winter fat	40	50	60	60	40	50	60	60
Forsellesia spinescens	Fos	greasebush	0	0	0	0	0	0	0	0
Franseria dumosa (W.)		bur-sage	0	0	20	20	0	0	20	40
Fransoria dumosa (E.)		bur-sage	0	0	20	20	0	0	40	40
Franseria dumosa (S.)		bur-sage	0	0	20	20	0	0	40	40
Garrgia spp.		silk tassel	10	10	0	0	10	10	0	0
Grayia spp. (W.)	Gry	hopsage	10	20	30	30	10	30	40	60
Grayia spp. (E.)	Gry	hopsage	10	20	40	40	10	30	40	40
Grayia spp. (S.)	Gry	hopsage	10	20	40	40	10	30	40	40
Grossularia spp.	Gro	gooseberry	10	10	20	20	10	10	20	20
Gutierrezia spp.	Gsa	snakeweed	0	0	0	0	0	0	0	10
Juniperus spp.	Jut	juniper	0	0	0	0	0	0	0	5
Kochia spp.	Kve	gray-molly	0	0	0	0	0	0	50	50
Krameria glandulosa (S.)		range ratany	40	40	40	40	40	40	40	40
Lepargyrea spp.	Lec	buffaloberry	0	0	0	0	0	0	10	10
Leptodactylon spp.	Lep	prickly gilia	0	0	0	0	0	0	20	20
Lygodesmia spinosa	Lys	skeleton plant	0	0	0	0	0	0	0	0
Lycium spp.	Lan	wolfberry	0	0	0	0	0	0	0	0
Odostemon fremonti (W.)	Odf	hollygrape	0	0	0	0	0	0	0	0
Odostemon fremonti (E.)	Odf	hollygrape	0	0	0	0	0	10	10	10
Odostemon fremonti (S.)	Odf	hollygrape	0	0	0	0	0	10	10	10
Opuntia spp. (W.)	Ore	pricklypear	0	0	0	0	0	0	0	0

Browse (Shrubs) Cont'd.

SPECIES	SYMBOL	COMMON NAME	CATTLE				SHEEP			
			Su.	Sp.	F.	W.	Su.	Sp.	F.	W.
Opuntia spp. (E.)	Ore	pricklypear	0	0	0	0	0	0	0	0
Opuntia spp. (S.)	Ore	pricklypear	0	5	0	5	0	0	0	0
Opulaster spp.	Oml	ninebark	20	20	-	-	20	20	-	-
Pachystima spp.	Pmy	mountain myrtle	0	0	0	0	0	0	0	0
Parosela formosa (W.)		peabush	0	0	0	0	0	0	10	10
Parosela formosa (E.)		peabush	0	0	0	0	0	0	0	0
Parosela formosa (S.)		peabush	0	0	0	0	0	0	10	10
Philadelphus spp.	Ple	mockorange	0	0	-	-	0	0	-	-
Populus spp.	Pte	cottonwood	30	30	40	-	50	50	40	-
Prosopis spp. (S.)	Pro	mesquite	20	20	20	-	-	-	-	-
Prunus spp.	Prn	cherry	40	40	40	-	60	60	60	-
Purshia spp.	Ptr	bitterbrush	50	50	50	50	50	50	50	50
Peraphyllum spp.	Per	squawapple	-	-	10	10	-	-	30	30
Quercus spp. (W.)	Qga	oak	10	10	15	-	10	10	15	15
Quercus spp. (E.)	Qga	oak	10	10	15	-	10	10	15	-
Quercus spp. (S.)	Qga	oak	10	10	15	-	10	10	15	-
Quercus turbinella (W.)		live oak	0	0	0	0	0	0	0	0
Quercus turbinella (E.)		live oak	10	20	10	10	10	20	10	10
Quercus turbinella (S.)		live oak	10	20	10	10	10	20	10	10
Rhus trilobata (W.)	Rtr	skunkbush	0	0	0	0	0	0	15	15
Rhus trilobata (E.)	Rtr	skunkbush	-	10	10	10	-	15	15	15
Rhus trilobata (S.)	Rtr	skunkbush	-	10	10	10	-	10	10	10
Ribes spp.	Rib	currant	10	10	10	10	20	20	20	20
Rosa spp.	Ros	rose	40	40	20	20	50	50	20	20
Rubus spp.	Rpa	raspberry	10	10	-	-	10	10	-	-
Salix spp.	Sal	willow	40	40	20	20	40	40	20	20
Salvia spp.	Sac	sage	0	0	0	0	0	0	50	50
Sambucus (blue)	Scu	blue elderberry	20	0	50	-	20	0	50	-
Sambucus (red)	Sam	red elderberry	20	0	70	-	20	0	70	-
Sarcobatus spp. (W.)	Sve	greasewood	10	20	5	5	10	30	10	10
Sarcobatus spp. (E.)	Sve	greasewood	20	20	10	10	10	30	10	10
Sarcobatus spp. (S.)	Sve	greasewood	10	20	10	10	20	30	10	10
Simmondsia spp.		jojoba	50	50	50	50	40	40	40	40
Stromboscarpa prosopis (W.)		screwbean	-	-	20	20	-	-	20	20
Stromboscarpa prosopis (S.)		screwbean	10	10	10	-	-	-	-	-
Symphoricarpos spp.	Sym	snowberry	20	20	30	0	50	50	20	20
Tetradymia spp.	Tsp	horsebrush	5	5	0	0	5	5	10	10
Yucca spp.	Yuc	soapweed	5	5	5	5	0	0	0	0

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